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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

NGUYEN, HAI V

ART UNIT

PAPER NUMBER

2142

DATE MAILED: 12/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/954,937

Applicant(s)

ITOH ET AL.

Examiner

Hai V. Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 November 2006 and 14 June 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This Office Action is in response to the communication received on 13 November 2006 and 14 June 2006.
2. Claims 1-22 are presented for examination.

Information Disclosure Statement

3. The information disclosure statement filed 13 August 2004 and 13 November 2006 fail to comply with 37 CFR 1.98(a)(3) because it does not include a concise explanation of the relevance, as it is presently understood by the individual designated in 37 CFR 1.56(c) most knowledgeable about the content of the information, of each patent listed that is not in the English language. It has been placed in the application file, but the information referred to therein has not been considered. There are no records on documents #: JP 11-015573 and JP 05-127785 included a concise explanation of the relevance in English language.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102(b) that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1-22 are rejected under 35 U.S.C. 102(b) as being anticipated by **Lipe et al.** U.S. patent # **5,748,980**.
6. As to claim 1, Lipe teaches substantially the invention as claimed, including a communication adapter selection method for selecting a given communication adapter

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(*network device or network adapter*) in a system environment in which a plurality of communication adapters are installed in a computer apparatus to communicate with an external entity (*network*), comprising the steps of:

storing information for identifying among the plurality of communication adapters a communication adapter specified by a user as a communication adapter to be enabled to the exclusion of other of the plurality of communication adapters (*Abstract, col. 3, line 24 – col. 10, line 51; col. 40, line 25 – col. 42, line 63; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43*);

determining whether the plurality of communication adapters installed in said system are available or not (*Abstract, col. 3, line 24 – col. 10, line 51; col. 40, line 25 – col. 42, line 63; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43*); and,

enabling said communication adapter specified by the user if it is determined that said communication adapter specified by the user is available (*Abstract, col. 3, line 24 – col. 10, line 51; Figs. 4A-4C, col. 18, line 29 – col. 25, line 15; col. 40, line 25 – col. 42, line 63; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43*).

7. As to claim 2, Lipe teaches disabling, among communication adapters determined to be available, communication adapters other than said enabled communication adapter (*Abstract, col. 3, line 24 – col. 10, line 51; col. 40, line 25 – col. 42, line 63; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43*).

8. As to claim 3, Lipe teaches a communication adapter selection method for selecting a given communication adapter in a system environment in which a plurality of

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communication adapters are installed in a computer apparatus to communicate with an external entity, comprising the steps of:

receiving an input event for identifying among the plurality of communication adapters installed in the computer apparatus a communication adapter specified by a user as an adapter to be enabled to the exclusion of other of the plurality of communication adapters (*Abstract, col. 3, line 24 – col. 10, line 51; col. 40, line 25 – col. 42, line 63; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43*); and

in response to said input event, enabling said communication adapter specified by the user and disabling each communication adapter that is enabled before said input event is received (*Abstract, col. 3, line 24 – col. 10, line 51; col. 40, line 25 – col. 42, line 63; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43*).

9. As to claim 4, Lipe teaches a communication adapter selection method for selecting a given communication adapter in a system environment in which a plurality of communication adapters are installed in a computer apparatus, comprising the steps of:

storing a number of communication adapters required by a user (*Abstract, col. 3, line 24 – col. 10, line 51; col. 40, line 25 – col. 42, line 63; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43*);

enabling among said plurality of communication adapters a given communication adapter to the exclusion of other of the plurality of communication adapters based on said stored number of the communication adapters (*Abstract, col. 3, line 24 – col. 10, line 51; Figs. 4A-4C, col. 18, line 29 – col. 25, line 15; col. 40, line 25 – col. 42, line 63; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43*); and

disabling the other of the plurality of communication adapters (*Abstract, col. 3, line 24 – col. 10, line 51; Figs. 4A-4C, col. 18, line 29 – col. 25, line 15; col. 40, line 25 – col. 42, line 63; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43*).

10. As to claim 5, Lipe teaches, wherein the priorities assigned to set up communication adapters are stored and the given communication adapter is enabled based on said stored number of the communication adapters and stored priorities (*Abstract, col. 3, line 24 – col. 10, line 51; Figs. 4A-4C, col. 18, line 29 – col. 25, line 15*);).

11. As to claim 6, Lipe teaches a communication adapter selection method for selecting a given communication adapter in a system environment in which a plurality of communication adapters are installed in a computer apparatus to communicate with an external entity, comprising the steps of:

pre-registering information about a communication adapter to be enabled in response to a predetermined condition of an operating environment of said computer apparatus (*Abstract, col. 3, line 24 – col. 10, line 51; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43*);

detecting event information generated by a change in the operating environment of said computer apparatus (*Abstract, col. 3, line 24 – col. 10, line 51; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43*);

analyzing said event information to determine whether said event information meets said predetermined condition of said operating environment or not (*Abstract, col.*

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3, line 24 – col. 10, line 51; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43); and

if said event information meets said predetermined condition of said operation environment, enabling a communication adapter to be enabled to the exclusion of other of the plurality of communication adapters in response to said predetermined condition of the operating environment (*Abstract*, col. 3, line 24 – col. 10, line 51; *Figs. 4A-4C*, col. 18, line 29 – col. 25, line 15; col. 40, line 25 – col. 42, line 63; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43).

12. As to claim 7, Lipe teaches a communication adapter selection method for enabling a given communication adapter in a system environment comprising communication adapters installed in a portable information device and a communication adapter installed in an expansion unit attachable to said portable information device, comprising the steps of:

reading priority information in which a priority assigned to each communication adapter is set from a profile (*Abstract*, col. 3, line 24 – col. 10, line 51);

determining whether all the communication adapters configured in said system environment are available or not (*Abstract*, col. 3, line 24 – col. 10, line 51); and,

if it is determined that the communication adapter installed in said expansion unit is available and said read priority information indicates that the priority assigned to said communication adapter installed in said expansion unit is higher than a priority of the communication adapters installed in said portable information device, enabling said communication adapter installed in said expansion unit to the exclusion of other of the

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plurality of communication adapters (*Abstract, col. 3, line 24 – col. 10, line 51; Figs. 4A-4C, col. 18, line 29 – col. 25, line 15; col. 40, line 25 – col. 42, line 63*).

13. As to claim 8, Lipe teaches, wherein said communication adapters installed in said portable information device are disabled if said communication adapter installed in said expansion unit is enabled (*Abstract, col. 3, line 24 – col. 10, line 51*).

14. As to claim 9, Lipe teaches, wherein at least one of the communication adapters installed in said portable information device is a wireless LAN adapter (*Abstract, col. 3, line 24 – col. 10, line 51*); and

the priority of said wireless LAN adapter set in said read priority information is immediately below the priority of the communication adapter installed in said expansion unit (*Abstract, col. 3, line 24 – col. 10, line 51*).

15. As to claim 10, Lipe teaches a method for setting up a communication adapter comprising the steps of:

reading information about the configuration of a communication adapter configured in a system from a profile (*a hardware profile*) (*Abstract, col. 3, line 24 – col. 10, line 51*);

setting at least one location where the system performs communication (*Abstract, col. 3, line 24 – col. 10, line 51*);

setting a default priority assigned to a communication adapter to be enabled; setting the number of communication adapters to be enabled to the exclusion of other of the plurality of communication adapters (*Abstract, col. 3, line 24 – col. 10, line 51; Figs. 4A-4C, col. 18, line 29 – col. 25, line 15; col. 40, line 25 – col. 42, line 63*); and

storing in a profile said default priority and said number of the communication adapters to be enabled for each of said at least one set locations (*Abstract, col. 3, line 24 – col. 10, line 51*).

16. As to claim 11, Lipe teaches a computer apparatus for selecting a given communication adapter in a system environment in which a plurality of communication adapters are installed to communicate with an external entity, said computer apparatus comprising:

information storage for storing information identifying among the plurality of communication adapters a communication adapter specified by a user as a communication adapter to be enabled (*Abstract, col. 3, line 24 – col. 10, line 51; Figs. 4A-4C, col. 18, line 29 – col. 25, line 15;*);

a determination unit for determining whether the plurality of communication adapters installed in said system are available (*Abstract, col. 3, line 24 – col. 10, line 51*); and

a setting unit for enabling, among communication adapters determined to be available by said determination unit, said communication adapter specified by the user as the communication adapter to be enabled to the exclusion of other of the plurality of communication adapters (*Abstract, col. 3, line 24 – col. 10, line 51; Figs. 4A-4C, col. 18, line 29 – col. 25, line 15; col. 40, line 25 – col. 42, line 63*).

17. As to claim 12, Lipe teaches, wherein said setting unit disables communication adapters other than said communication adapter specified by the user (*Abstract, col. 3, line 24 – col. 10, line 51*).

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18. As to claim 13, Lipe teaches adapter count storage for storing a number of communication adapters to be enabled, wherein said setting unit enables as many communication adapters as said number of the adapters stored in said adapter count storage, in descending order of priority (*Abstract, col. 3, line 24 – col. 10, line 51; Figs. 4A-4C, col. 18, line 29 – col. 25, line 15*).

19. As to claim 14, Lipe teaches a computer apparatus for selecting a given communication adapter in a system environment in which a plurality of communication adapters are installed to communicate with an external entity, said computer apparatus comprising:

an input event receiving unit for receiving an input event for identifying among the plurality of communication adapters installed in the system a communication adapter specified by a user as an adapter to be enabled (*Abstract, col. 3, line 24 – col. 10, line 51*); and

a setting means for, in response to said input event received by said input event receiving unit, enabling said communication adapter specified by the user to the exclusion of other of the plurality of communication adapters and disabling a communication adapter that is enabled before said input event is received (*Abstract, col. 3, line 24 – col. 10, line 51; Figs. 4A-4C, col. 18, line 29 – col. 25, line 15; col. 40, line 25 – col. 42, line 63*).

20. As to claim 15, Lipe teaches a computer apparatus in which a plurality of communication adapters are installed, said computer apparatus communicating with an external entity through said plurality of communication adapters and comprising:

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a utility (*configuration manager 158*) for controlling the enable/disable of said communication adapters (*Abstract, Figs. 4-14; col. 3, line 24 – col. 10, line 51; col. 37, line 3- col. 42, line 63*); and

a driver for exchanging data between said utility and said communication adapters (*Abstract, Figs. 4-14; col. 3, line 24 – col. 10, line 51; col. 37, line 3- col. 42, line 63*);

wherein said utility provides a suspend event to said driver if a communication adapter to be enabled to the exclusion of other of the plurality of communication adapters is not enabled previously or provides a resume event to said driver if the communication adapter to be enabled is enabled and requested to be disabled (*Abstract, Figs. 4-14; col. 3, line 24 – col. 10, line 51; col. 37, line 3 - col. 42, line 63*).

21. As to claim 16, Lipe teaches, wherein said utility inquires of said driver to obtain a number and a type of existing communication adapters (*Abstract, Figs. 4-14; col. 3, line 24 – col. 10, line 51; col. 37, line 3- col. 42, line 63*).

22. As to claim 17, Lipe teaches a portable information device in which a plurality of communication adapters are installed and which can be connected with a expansion unit in which a given communication adapter is installed, said portable information terminal comprising:

storage for storing priority information indicating an order in which the communication adapters are enabled (*Abstract, Figs. 4-14; col. 3, line 24 – col. 10, line 51; col. 37, line 3- col. 42, line 63*);

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a connection recognition unit recognizing a connection of said expansion unit
(*Abstract, Figs. 4-14; col. 3, line 24 – col. 10, line 51; col. 37, line 3- col. 42, line 63*);

an open-operation execution unit for executing an adapter open operation on all
the communication adapters including said given communication adapter installed in
said expansion unit when said connection recognition unit recognizes the connection
(*Abstract, Figs. 4-14; col. 3, line 24 – col. 10, line 51; col. 37, line 3- col. 42, line 63*);
and

a setting unit for enabling the given communication adapter among
communication adapters successfully opened by said open-operation execution unit to
the exclusion of other of the plurality of communication adapters according to said
priority information stored in said storage (*Abstract, Figs. 4-14; col. 3, line 24 – col. 10,
line 51; Figs. 4A-4C, col. 18, line 29 – col. 25, line 15; col. 37, line 3 - col. 42, line 63*).

23. As to claim 18, Lipe teaches, wherein said priority information stored in said
storage varies from location to location where said portable information device is used
(*Abstract, Figs. 4-14; col. 3, line 24 – col. 10, line 51; col. 37, line 3- col. 42, line 63*).

24. As to claim 19, Lipe teaches a portable information device in which a plurality of
communication adapters are installed and which can be connected with a expansion
unit in which a given communication adapter is installed, said portable information
device comprising:

a connection recognition unit recognizing the connection of said expansion unit
(*Abstract, Figs. 4-14; col. 3, line 24 – col. 10, line 51; col. 37, line 3- col. 42, line 63*);
and

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a priority connection unit for connecting said given communication adapter installed in said expansion unit to the exclusion of other communication adapters if said connection recognition unit recognizes the connection of said expansion unit (*Abstract, Figs. 4-14; col. 3, line 24 – col. 10, line 51; Figs. 4A-4C, col. 18, line 29 – col. 25, line 15; col. 37, line 3- col. 42, line 63*).

25. As to claim 20, Lipe teaches a disabling unit for, when said priority connection unit connects said communication adapter installed in said expansion unit to the exclusion of other communication adapters, disabling said other communication adapters installed in said portable information device (*Abstract, Figs. 4-14; col. 3, line 24 – col. 10, line 51; Figs. 4A-4C, col. 18, line 29 – col. 25, line 15; col. 37, line 3 - col. 42, line 63*).

26. As to claim 21, Lipe teaches a storage medium storing a program to be executed by a computer so that said computer can read the program, wherein said program causes said computer to perform the processes for:

storing information identifying among a plurality of communication adapters installed in said computer a communication adapter specified by a user as an adapter to be enabled (*Abstract, Figs. 4-14; col. 3, line 24 – col. 10, line 51; col. 37, line 3- col. 42, line 63; col. 43, line 20 – col. 48, line 29; col. 379, line 60 - col. 394, line 38; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43*);

determining whether said plurality of communication adapters installed in said computer is available (*Abstract, Figs. 4-14; col. 3, line 24 – col. 10, line 51; col. 37, line*

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3- col. 42, line 63; col. 43, line 20 – col. 48, line 29; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43); and

enabling said communication adapter specified by the user to the exclusion of other of the plurality of communication adapters if said communication adapter specified by the user is available (*Abstract, Figs. 4-14; col. 3, line 24 – col. 10, line 51; col. 37, line 3 - col. 42, line 63; col. 43, line 20 – col. 48, line 29; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43*).

27. As to claim 22, Lipe teaches a storage medium storing a program to be executed by a computer so that said computer can read the program, said program causes said computer to perform the processes for:

receiving an input event for identifying among the plurality of communication adapters installed in the system a communication adapter specified by a user as an adapter to be enabled (*Abstract, col. 3, line 24 – col. 10, line 51; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43*); and

in response to said input event, enabling said communication adapter specified by the user to the exclusion of other of the plurality of communication adapters and disabling a communication adapter that is enabled before said input event is received (*Abstract, col. 3, line 24 – col. 10, line 51; Figs. 4A-4C, col. 18, line 29 – col. 25, line 15; col. 40, line 25 – col. 42, line 63; col. 394, line 65 – col. 396, line 47; col. 401, line 5 – col. 403, line 43*).

Response to Arguments

28. Applicant's arguments received on 13 November and 14 June 2006 have been fully considered but they are not persuasive.

29. In the remark, Applicant argued in substance that:

Point (A), the prior art does not teach *"enabling a communication adapter to the exclusion of other communication adapters that are disabled"* in independent claims 1, 3, 4, 6, 7, 10, 11, 14, 15, 17, 19, 21, and 22.

As to point (A), "enabling a communication adapter to the exclusion of other communication adapters" = "only a communication adapter, adapter 20-1, is enabled and the other adapters, adapters 20-2 to 20-4, are disabled" (Applicant's specification, page 17, lines 14-16) = *"Figs. 4A-4C, steps 54, 56, 58; In step 54, an inquiry is conducted to identify the subset of the devices 20 that must be active upon completion of the boot process. For the devices 20 that do not require a default-type configuration during the power-up sequence, the "NO" branch is followed to the step 56 and those devices preferably remain inactive during the power-up sequences. In contrast, the "YES" branch is followed from the step 54 to the step 58 for the devices 20 that must be activated during the boot process. Based upon this inventory of the identified devices 20 requiring activation during the boot process, a boot-level device driver for each of those devices is obtained in step 58 to enable communications between the boot-level devices and the computer 8. These boot-level devices typically include the system-level devices 20 on the system board of the computer 8 and certain adapter boards*

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connected to the integrated bus 15, such as a display controller or a mass memory storage device controller, i.e., a fixed disk controller.” (Lipe, col. 20, lines 24-54).

30. Further references of interest are cited on Form PTO-892, which is an attachment to this action.

Conclusion

31. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai V. Nguyen whose telephone number is 571-272-3901. The examiner can normally be reached on 6:00-3:30 Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell can be reached on 571-272-3868. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Hai V. Nguyen
Examiner
Art Unit 2142



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